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| Mr. Michael T. Davis  Pre-Calculus  The Quiz is on Friday, February 10 | | Unit 2.9 Practice Quiz  Asymptotes, Axis Intercepts, and Discontinuities  February 7, 2017 | |
| Name: | |

Directions: For each rational function:

1. Identify an equation for each vertical asymptote (asymptotic discontinuity), if any exist.
2. Identify an equation for each horizontal asymptote, if any exist.
3. Identify the coordinates of any y-intercept or x-intercepts, if any exit.
4. Identify any value of x for which the graph has a hole (removable discontinuity)
5. Draw a neat and accurate graph of the function
6. 

VA:

HA:

X-Intercept(s):

Y-Intercept:

X-Value of Hole:



1. 

VA:

HA:

X-Intercept(s):

Y-Intercept:

X-Value of Hole:

1.  or 

VA:

HA:

X-Intercept(s):

Y-Intercept:

X-Value of Hole:



1.  or 

VA:

HA:

X-Intercept(s):

Y-Intercept:

X-Value of Hole:

1.  or 

VA:

HA:

X-Intercept(s):

Y-Intercept:

X-Value of Hole:

1.  or 

VA:

HA:

X-Intercept(s):

Y-Intercept:

X-Value of Hole:

1.  or 

VA:

HA:

X-Intercept(s):

Y-Intercept:

X-Value of Hole:

1. 

VA:

HA:

X-Intercept(s):

Y-Intercept:

X-Value of Hole: